EUROPEAN PATENT APPLICATION

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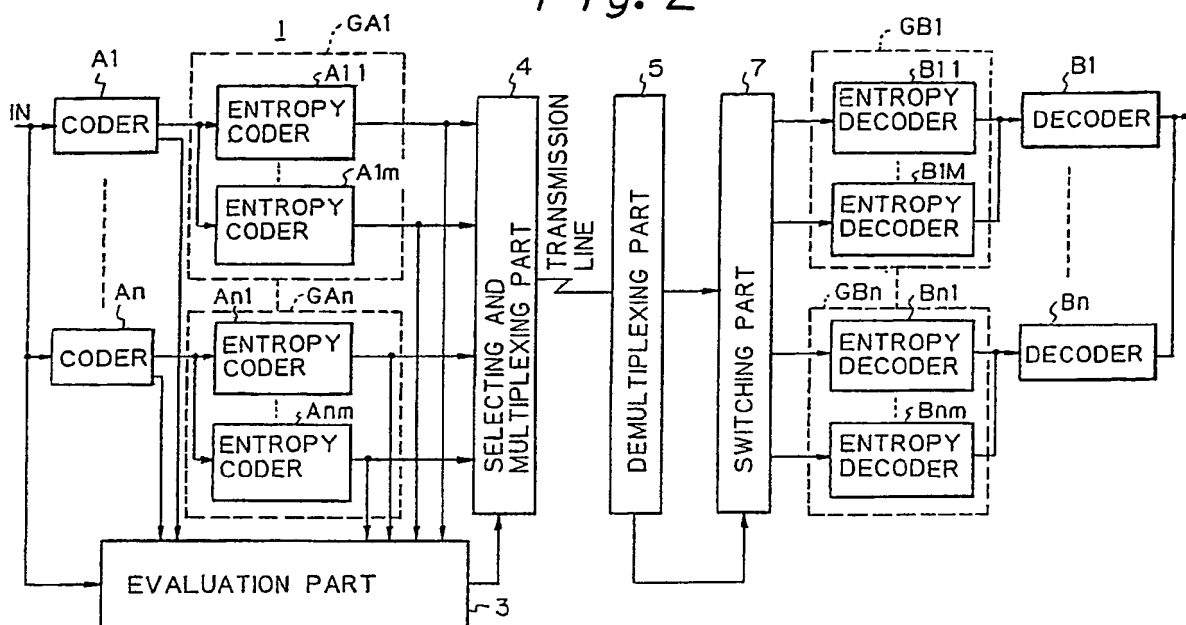**Arabellastrasse 4**
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�54 **Voice coding/decoding system.**

� Disclosed is a voice coding/decoding system having a transmitting part (1) for transmitting a coded signal of an input voice signal at a bit rate lower than a predetermined transmission bit rate and a receiving part (2) for receiving and decoding the coded signal transmitted from the transmission part. To enable the coding and transmitting input voice signal in an optimum state without passing through a buffer memory and without having a negative influence on the coder, the transmitting part (1) comprises coders (A1-An) for coding the input voice signal and groups (GA1-GAn) for entropy coders (A11-Anm). The inputs of the entropy coders (A11-Anm) in each group are connected to the output of one of the plurality of coders (A1-An). The transmitting part further comprises an evaluation part (3) for evaluating the characteristics of the outputs of the coders and the entropy coders to extract the entropy coders having output bit rates lower than the transmission bit rate and to extract, from the coders connected to the extracted entropy coders, a coder having the best output characteristic, to output a selecting signal indicating the combination of the selected coder and an entropy coder in the extracted entropy coders. The transmitting part further comprises a selecting part (4) for selecting, in response to the selecting signal, the codeword passed through the combination of the coder and the entropy coder to be transmitted.

EP 0 405 572 A3

Fig. 2

DOCUMENTS CONSIDERED TO BE RELEVANT

EP 90112448.7

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
A	EP - A2 - 0 283 798 (IBM) * Fig. 3; abstract * --	1,6	G 10 L 9/18 H 03 M 7/30
A	GB - A - 2 162 025 (KING R.A.) * Fig. 1; abstract * --	1,6	
A	EP - A1 - 0 164 677 (TEXAS INSTRUMENTS INC.) * Fig. 2a,2b; abstract * ----	1,6	

TECHNICAL FIELDS
SEARCHED (Int. Cl.5)

G 10 L 9/00
H 03 M 7/00
H 04 N 7/00

The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
VIENNA	13-12-1990	BERGER

EPO FORM 1503 03.82 (P0401)

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